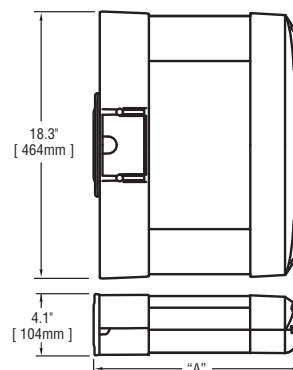


BetaLED Catalog #: SEC - EDG - - WM - - C - - - -



Notes:



# of LEDs	Dim. "A"
20	11.75"
40	11.75"
60	13.75"
80	15.75"
100	17.75"
120	19.75"

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Factory-Installed Options
SEC	EDG	<input type="checkbox"/> 2S ¹ <input type="checkbox"/> 2SB ²	WM ³	<input type="checkbox"/> 02 <input type="checkbox"/> 04 <input type="checkbox"/> 06 <input type="checkbox"/> 08 <input type="checkbox"/> 10 <input type="checkbox"/> 12	C	<input type="checkbox"/> UL Universal 120–277V <input type="checkbox"/> UH Universal 347–480V <input type="checkbox"/> 12 120V <input type="checkbox"/> 24 240V <input type="checkbox"/> 27 277V <input type="checkbox"/> 34 347V	<input type="checkbox"/> SV Silver <input type="checkbox"/> BZ Bronze <input type="checkbox"/> BK Black <input type="checkbox"/> WH White <input type="checkbox"/> PB Platinum Bronze	Please type additional options in manually on the lines provided above. <input type="checkbox"/> 43K 4300K Color Temperature ⁴ <input type="checkbox"/> 525 525mA Drive Current ^{5,6} <input type="checkbox"/> F Fuse ^{7,8} <input type="checkbox"/> P Photocell ^{9,10} <input type="checkbox"/> TL2 Two-level (0/350 w/integrated sensor control) ¹¹

Footnotes

1. IESNA Type II Short distribution
2. IESNA Type II Short distribution with backlight control
3. Wall mount
4. Color temperature per fixture; minimum 70 CRI

5. Driver operates at 525mA instead of the standard 350mA providing a higher lumen output and a shorter life
6. Available on fixtures with 20–40 LEDs

7. Not available when UH voltage is selected
8. When code dictates fusing use time delay fuse
9. Must specify voltage other than UL or UH
10. Not available with multi-level options
11. Refer to [multi-level spec sheet](#) for availability and additional information

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type II Short @ 6000K	B	U	G	Initial Delivered Lumens – Type II Short w/ Backlight Control @ 6000K	B	U	G	Initial Delivered Lumens – Type II Short @ 4300K	B	U	G	Initial Delivered Lumens – Type II Short w/ Backlight Control @ 4300K	B	U	G	System Watts 120–277V	Total Current @ 120V	Total Current @ 230V	Total Current @ 277V	System Watts 347–480V	Total Current @ 347V	Total Current @ 480V	L ₇₀ Hours* @ 25° C (77° F)					
		Rating***				Rating***				Rating***				Rating***															
350mA (Standard) Fixture Operating at 25° C (77° F)																													
20	1,752 (02)	1	1	1	1,360 (02)	0	1	0	1,537 (02)	1	1	1	1,193 (02)	0	1	0	25	0.23	0.11	0.10	30	0.09	0.08	105,000					
40	3,504 (04)	1	1	1	2,720 (04)	1	1	1	3,073 (04)	1	1	1	2,386 (04)	1	1	1	49	0.41	0.23	0.20	51	0.15	0.12	105,000					
60	5,255 (06)	2	1	2	4,081 (06)	1	1	1	4,610 (06)	1	1	1	3,579 (06)	1	1	1	71	0.60	0.32	0.28	74	0.22	0.17	105,000					
80	7,007 (08)	2	1	2	5,441 (08)	1	1	1	6,146 (08)	2	1	2	4,772 (08)	1	1	1	93	0.78	0.41	0.35	96	0.28	0.21	105,000					
100	8,759 (10)	2	1	2	6,801 (10)	1	1	1	7,683 (10)	2	1	2	5,965 (10)	1	1	1	116	0.98	0.52	0.43	119	0.35	0.26	105,000					
120	10,511 (12)	3	1	3	8,161 (12)	1	1	1	9,219 (12)	2	1	2	7,158 (12)	1	1	1	139	1.17	0.61	0.52	141	0.41	0.30	105,000					
525mA Fixture Operating at 25° C (77° F)																													
20	2,277 (02)	1	1	1	1,768 (02)	0	1	0	1,997 (02)	1	1	1	1,551 (02)	0	1	0	37	0.31	0.18	0.17	43	0.13	0.15	61,000					
40	4,555 (04)	1	1	1	3,537 (04)	1	1	1	3,995 (04)	1	1	1	3,102 (04)	1	1	1	69	0.58	0.31	0.27	75	0.22	0.19	61,000					
* Utilizes magnetic step-down transformer when 525mA drive current or multi-level options are selected																		** For recommended lumen depreciation data see TD-13						*** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf					

* Utilizes magnetic step-down transformer when 525mA drive current or multi-level options are selected

** For recommended lumen depreciation data see [TD-13](#)

*** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf



General Description

Slim, low profile design. Fixture sides are rugged cast aluminum with integral, weather-tight LED driver compartments and high performance aluminum heatsinks specifically designed for LED applications. Housing is rugged aluminum. Furnished with low copper, lightweight mounting box designed for installation over standard and mud ring single gang J boxes. Secures to wall with four (4) 3/16" screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard. Five year limited warranty on fixture.

Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. 120-277V 50/60 Hz, Class 1 LED drivers are standard. 347-480V 50/60 Hz driver is optional. LED drivers have power factor >90% and THD <20% of full load. Units provided with integral 9kV surge suppression protection standard. Integral weather-tight J-box with leads (wire nuts) for easy power hook-up. Surge protection tested in accordance with IEEE C62.41.2 and ANSI standard 62.41.2.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations and enclosure classified IP66 per IEC 529. Consult factory for CE Certified products. RoHS compliant. International Dark-Sky Association approved.

Finish

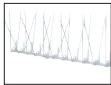
Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by our 10 year limited warranty.

Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

Patents

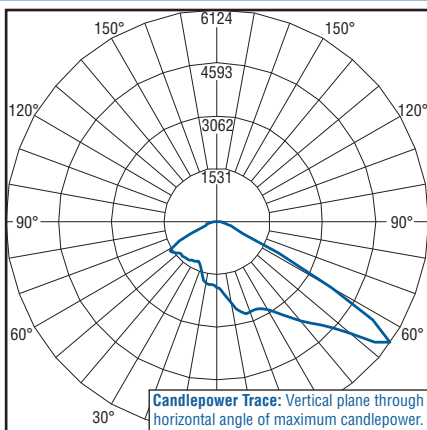
U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit www.uspto.gov.

Field-Installed Accessories



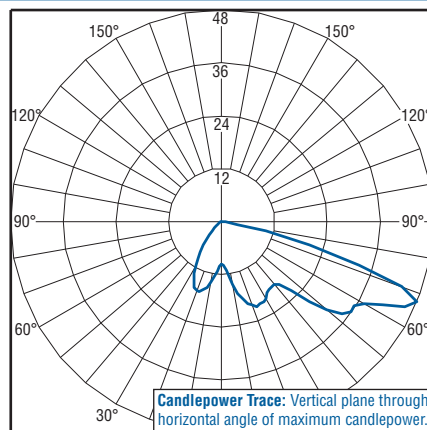
Bird Spikes
☐ XA-BRDSPK

Photometrics



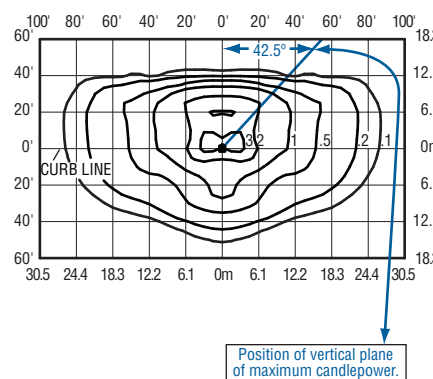
Candlepower Trace: Vertical plane through horizontal angle of maximum candlepower.

Independent Testing Laboratories certified test. Report No. ITL64116. Candlepower trace of 6000K, 120 LED Type II Short streetlight luminaire with 11,183 initial delivered lumens operating at 350mA. All published luminaire photometric testing performed to IESNA LM-79-08 standards.



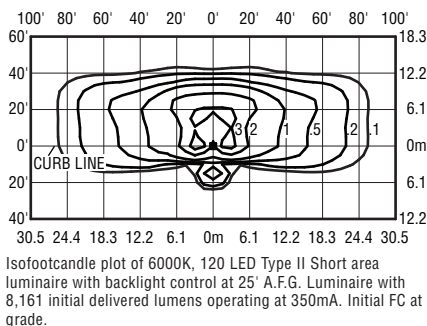
Candlepower Trace: Vertical plane through horizontal angle of maximum candlepower.

PRELIMINARY
 Candlepower trace of Type II Short LED luminaire with backlight control.



Position of vertical plane of maximum candlepower.

Isofootcandle plot of 6000K, 120 LED Type II Short area luminaire at 25' A.F.G. Luminaire with 10,511 initial delivered lumens operating at 350mA. Initial FC at grade.



Isofootcandle plot of 6000K, 120 LED Type II Short area luminaire with backlight control at 25' A.F.G. Luminaire with 8,161 initial delivered lumens operating at 350mA. Initial FC at grade.

